

## PARTS LIST

## MICROCOM U30

POWER AMPLIFIER (504-165 BEGINNING WITH REV. G)

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
<u>RESISTORS</u> (All resistors are $\pm 5\%$ , $\frac{1}{4}W$ , unless otherwise noted)		
R101	15K	4704-0153-032
R102	15K	4704-0153-032
R103	10K comp 10% $\frac{1}{4}W$	4700-0103-042
R104	10K comp 10% $\frac{1}{4}W$	4700-0103-042
R105	1.8K	4704-0182-032
R106	4.7K comp 10% $\frac{1}{4}W$	4700-0472-042
R107	47 ohm comp 10% $\frac{1}{4}W$	4700-0470-042
R108	180 ohm 5% 1W	4704-0131-035
R109	100 ohm comp	4700-0101-042
R110	not used	
R111	470 ohm comp 10% $\frac{1}{4}W$	4700-0471-042

CAPACITORS

C101	47pF 50V 5%	1524-0470-002
C102	.005mF 50V +8-2% (DISC)	1503-0502-005
C103	.01mF 50V +8-2% (DISC)	1503-0103-007
C104	100pF 500V 5% (MICA)	1504-0101-505
C105	.01mF 500V +8-2% (DISC)	1503-0103-008
C106	100mF 10V 85D (ELEC)	1513-0101-002
C107	100pF 500V 5% (MICA)	1504-0101-505
C108	.01mF 500V +8-2% (DISC)	1503-0103-008
C109	100pF 500V 5% (MICA)	1504-0101-505
C110	.01mF 500V +8-2% (DISC)	1503-0103-008
C111	.01mF 50V +8-2% (DISC)	1593-0103-007
C112	2.5-20pF (TRIM)	1517-0000-034
C113	6.8pF 500V 10% (DISC)	1500-0689-905
C114	.001mF 50V +8-2% (DISC)	1503-0102-003
C115	47pF	1524-0470-002
C116	40pF (MICA)	1522-5418-303
C117	not used	
C118	100pF (CHIP)	1540-0101-601
C119	50pF (MICA)	1522-5418-301
C120	40pF (MICA)	1522-5418-303
C121	2-18pF (TRIM)	1517-0000-041
C122	.01mF 50V +8-2% (DISC)	1503-0103-007
C123	not used	
C124	100pF (CHIP)	1540-0101-303
C125	.001mF 50V +8-2% (DISC)	1503-0102-003
C126	6.8pF 500V 10% (DISC)	1500-0689-905
C127	6.8pF 500V 10% (DISC)	1500-0689-905
C128	20pF (MICA)	1522-0200-006
C129	.001mF 50V +8-2% (DISC)	1503-0102-003
C130	220pF 50V 5% (MICA)	1506-0221-550

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C131	2.5-20pF (TRIM)	1517-0000-034	(U31H, U34H)
C132	2-19pF (TRIM)	1517-0000-041	
C133	2-18pF (TRIM)	1517-0000-041	
C134	.001mF 50V +8-2% (DISC)	1503-0102-003	
C135	47pF 50V 5% (DISC)	1524-0470-002	
C136	47pF 50V 5% (DISC)	1524-0470-002	
C137	.01pF 100V +8-2% (DISC)	1501-0103-009	

DIODES

CR101	1N4148 (selected)	4805-1241-200
CR102	Pin, UM9484	4815-3408-600
CR103	Pin, UM9484	4815-3408-600
CR104	Zener, 5.1V 5%	4808-0000-031

COILS

L101	Bead, choke	2502-3254-101
L102	Choke, LM-2	1803-5125-907
L103	not used	
L104	RF choke	1803-5125-904
L105	Choke, .15 uhy	1803-3269-000
L106	Bead, choke	2502-0000-001
L107	Bead, choke	2502-0000-001
L108	Bead, choke	2502-0000-001
L109	Choke, .1 uhy	1802-0108-008
L110	Choke, .1 uhy	1802-0108-008
L111	RF choke 1 uhy	1802-0010-009
L112	Bead, choke	2502-0000-001
L113	Choke, LM-2	1803-5125-907

TRANSISTORS

Q101	NPN SPS-952-2	4801-0000-016
Q102	PNP SJE-1608	4802-0000-003
Q103	304-023-1	4804-3402-301
Q104	302-690-3	4804-3269-803
Q105	302-698-4	4804-3269-804

CHASSIS

C1	.001 20V (FT)	1521-0102-001
C2	.001 20V	1521-0102-001

## PARTS LIST

## MICROCOM U15

POWER AMPLIFIER (504-165 BEGINNING WITH REV. G)

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
<u>RESISTORS (All resistors are <math>\pm 5\%</math>, <math>\frac{1}{4}W</math> unless otherwise noted)</u>		
R101	15K	4704-0153-032
R102	15K	4704-0153-032
R103	10K comp 10% $\frac{1}{4}W$	4700-0103-042
R104	10K comp 10% $\frac{1}{4}W$	4700-0103-042
R105	1.8K	4704-0182-032
R106	4.7K comp 10% $\frac{1}{4}W$	4700-0472-042
R107	47 ohm comp 10% $\frac{1}{4}W$	4700-0470-042
R108	180 ohm 5% 1W	4704-0181-035
R109	not used	
R110	100 ohm comp	4700-0101-042
R111	470 ohm comp 10% $\frac{1}{4}W$	4700-0471-042
<u>CAPACITORS</u>		
C101	47pF 50V 5%	1524-0470-002
C102	.005mF 50V +8-2% (DISC)	1503-0502-005
C103	.01mF 50V +8-2% (DISC)	1503-0103-007
C104	100pF 500V 5% (MICA)	1504-0101-505
C105	.01mF 500V +8-2% (DISC)	1503-0103-008
C106	100mF 16V 85D (ELEC)	1513-0101-002
C107	100pF 500V 5% (MICA)	1504-0101-505
C108	.01mF 500V +8-2% (DISC)	1503-0103-008
C109	not used	
C110	not used	
C111	.01mF 50V +8-2% (DISC)	1503-0103-007
C112	2.5-20pF (TRIM)	1517-0000-034
C113	6.8pF 500V 10% (DISC)	1500-0689-905
C114	.001mF 50V +8-2% (DISC)	1503-0102-003
C115	47pF	1524-0470-002
C116	40pF (MICA)	1522-5418-303
C117	not used	
C118	not used	
C119	40pF (MICA)	1522-5418-303
C120	not used	
C121	not used	
C122	.01mF 50V +8-2% (DISC)	1503-0103-007
C123	20pF (MICA)	1522-0200-006
C124	100pF (CHIP)	1540-0101-601
C125	.001mF 50V +8-2% (DISC)	1503-0102-003
C126	6.8pF 500V 10% (DISC)	1500-0689-905
C127	6.8pF 500V 10% (DISC)	1500-0689-905
C128	100pF (CHIP)	1540-0101-601
C129	.001mF 50V +8-2% (DISC)	1503-0102-003
C130	220pF 50V 5% (MICA)	1506-0221-550

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
C131	.2.5-18pF (TRIM)	1517-0000-034 (U15H,U18)
C132	not used	
C133	.15-5.5pF (TRIM)	1517-0000-011
C134	.001mF 50V +8-2% (DISC)	1503-0102-003
C135	47pF 50V 5% (DISC)	1524-0470-002
C136	47pF 50V 5% (DISC)	1524-0470-002
C137	.01pF 100V +8-2% (DISC)	1501-0103-009
<u>DIODES</u>		
CR101	IN4148 (selected)	4805-1241-200
CR102	Pin, UN9484	4815-3408-601
CR103	Pin, UM9484	4815-3408-601
CR104	Zener, 5.1V 5%	4808-0000-031
<u>COILS</u>		
L101	Bead, choke	2502-3254-101
L102	Choke LM-2	1803-5125-907
L103	not used	
L104	RF choke	1803-5125-904
L105	Bonding strap	2110-1415-800 (U15,U18)
L105	Bonding strap	2110-1415-801 (U15H,U18H)
L106	Bead, choke	2502-0000-001
L107	Bead, choke	
L108	not used	
L109	Choke, .1 uhy	1802-0108-008
L110	not used	
L111	RF choke 1 uhy	1802-0010-008
L112	Bead, choke	2502-0000-001
L113	Choke, LM-2	1803-5125-907
<u>TRANSISTORS</u>		
Q101	NPN SPS-952-2	4801-0000-016
Q102	PNP SJE-1608	4802-0000-003
Q103	304-023-1	4804-3402-301
Q104	302-690-3	4804-3269-803
<u>CHASSIS</u>		
C1	.001 20V (FT)	1521-0102-001
C2	.001 20V	1521-0102-001